IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A method for data communication comprising:

generating a train of a plurality of pulses; and

modulating the train of pulses over a plurality of modulating frequencies using an N-tone Sigma-Delta modulator, wherein the plurality of modulating frequencies are orthogonal, and wherein N represents the number of modulating frequencies.

2. (New) The method of claim 1, wherein the pulses have a pulse repetition and pulse duration and further wherein the modulating frequencies are derived from the pulse repetition and pulse duration.

3. (New) The method of claim 1, further comprising inserting one or more zero symbols in one or more frequencies in a noise spectrum.

4. (New) The method of claim 3, wherein the one or more frequencies are selected according to the formula $2\pi k/N$, $k=0,1,\ldots N-1$.

5. (New) The method of claim 1, further comprising inserting one or more zero symbols after each symbol in an input stream.

6. (New) The method of claim 5, wherein the input stream is a QAM (Quadrature Amplitude Modulation) input stream.